

FIG. 1

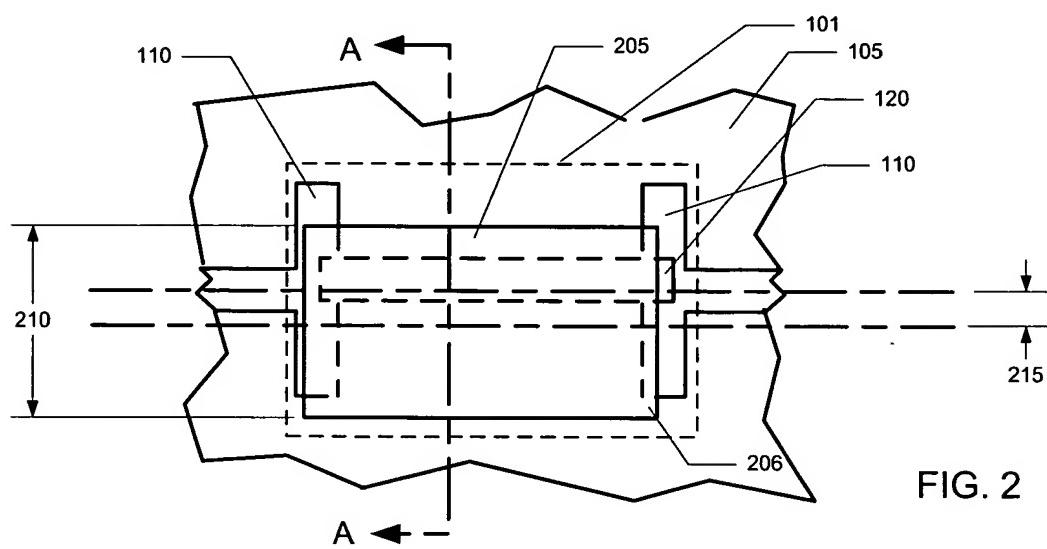


FIG. 2

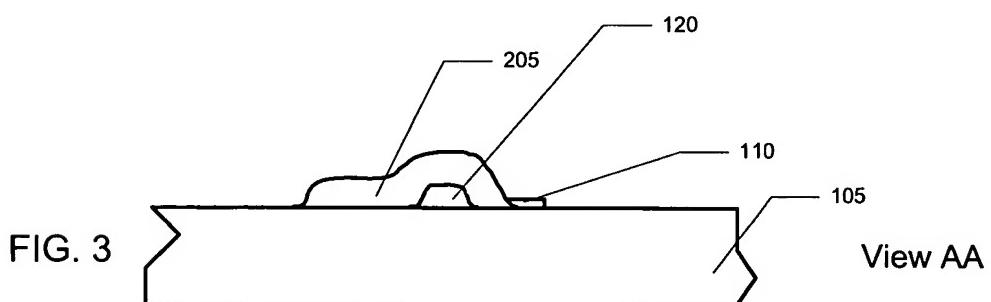


FIG. 3

View AA

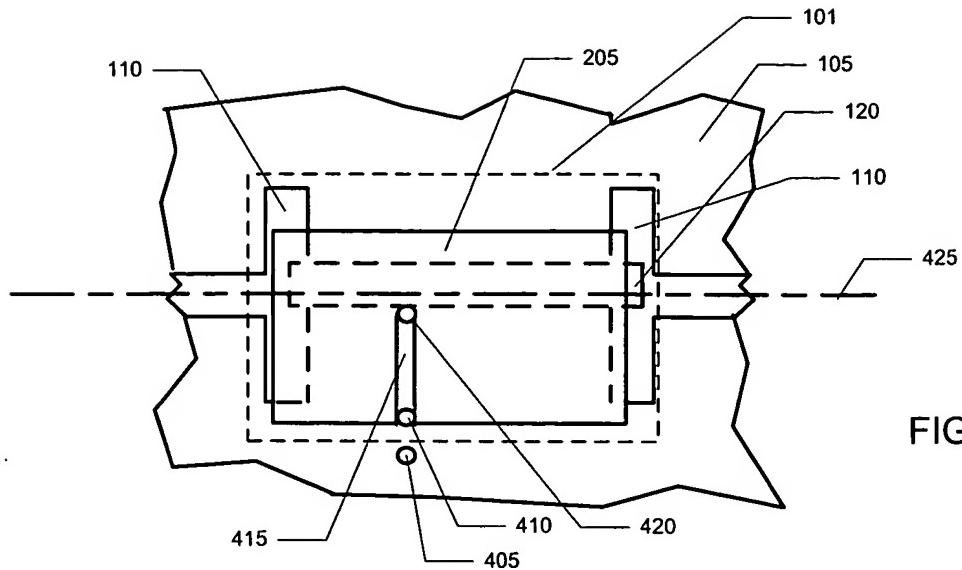


FIG. 4

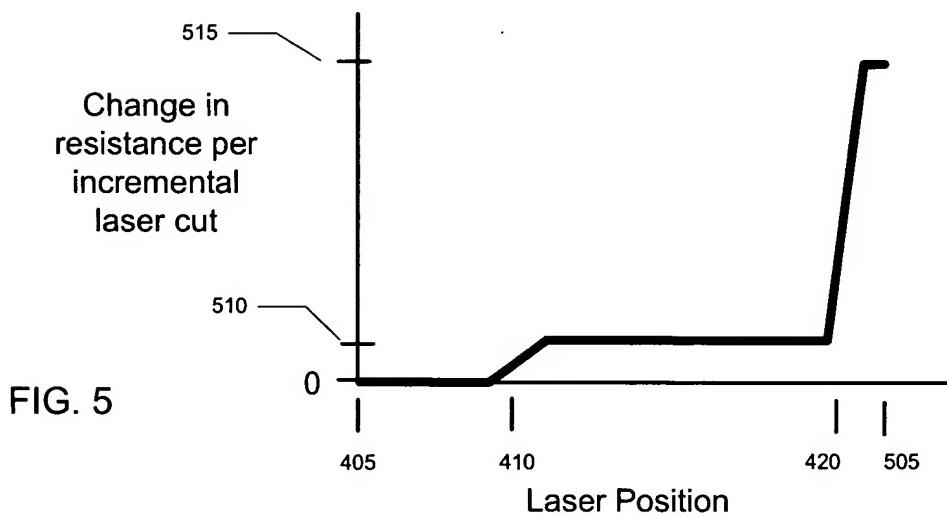
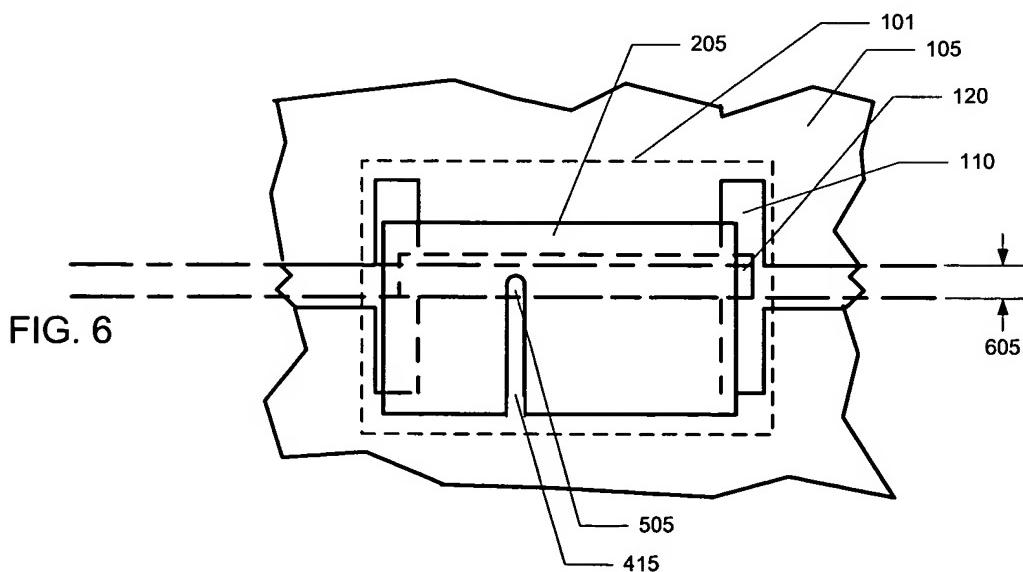


FIG. 5



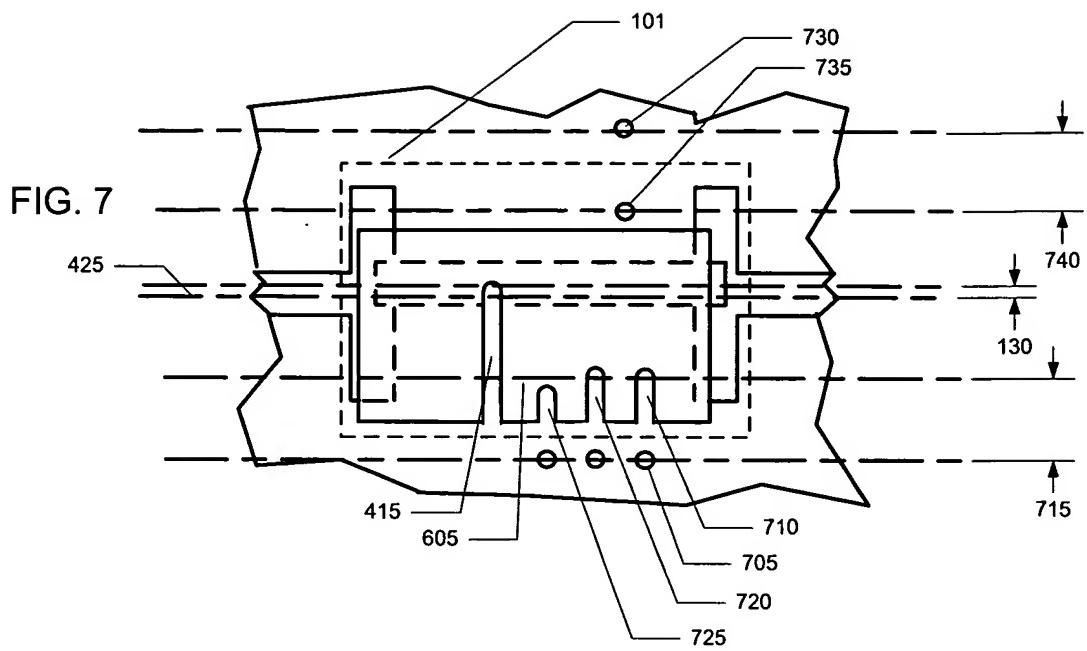


FIG. 8

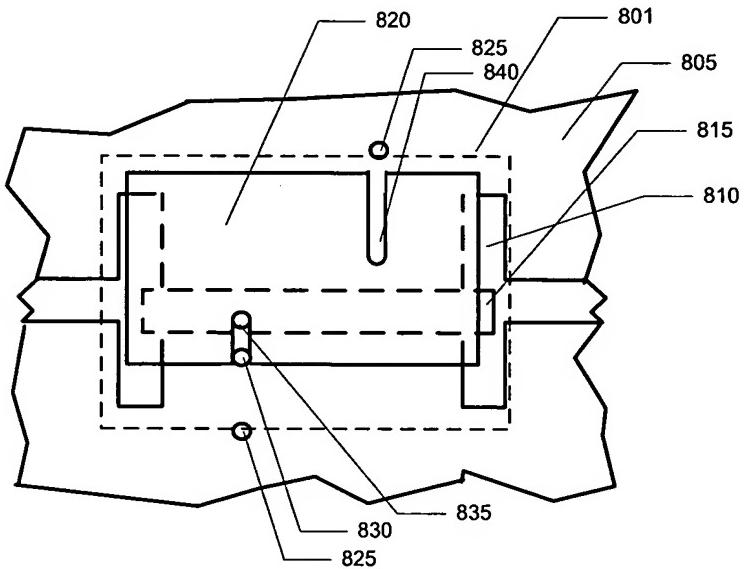


FIG. 9

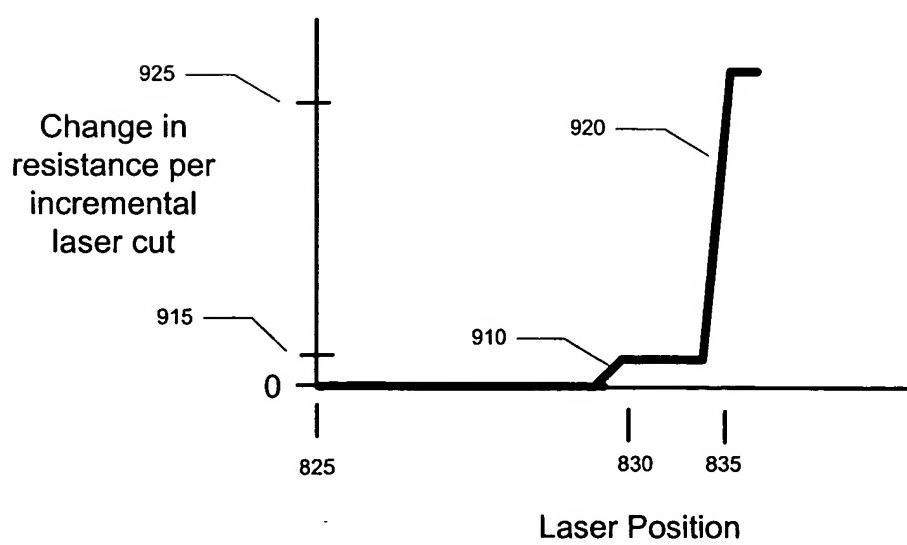


FIG. 10

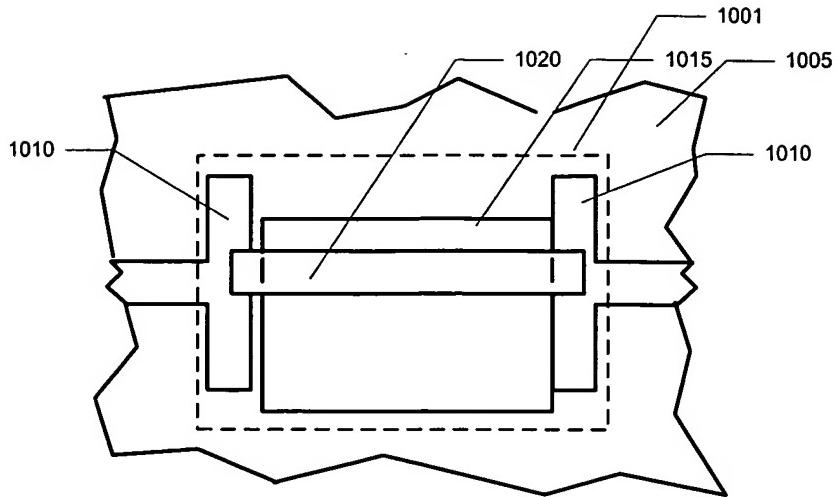
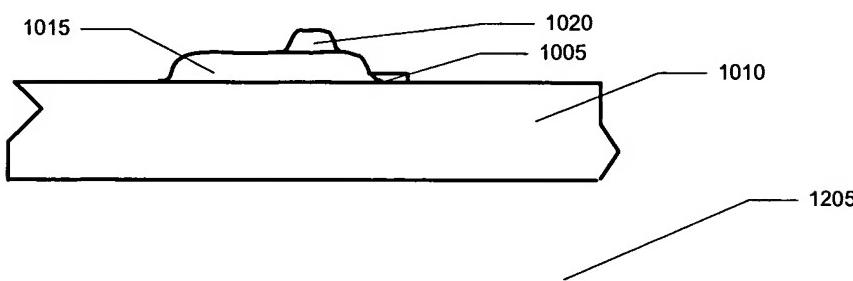


FIG. 11



patterning two conductive end terminations on the substrate

patterning a first layer of resistive material

patterning a second layer of resistive material

fine tuning the patterned resistor using a fine trim kerf that is extended solely into the high resistance material.

FIG. 12

coarse tuning the patterned resistor using a coarse trim kerf that is extended into the low resistance material.

determine positions of edges of the patterned first and second layers of resistive materials

determine a large offset side of the patterned resistor

start the fine trim kerf at the large offset side of the patterned resistor.

measure increments of the resistance of the patterned resistor

determine larger offset side from locations of substantial changes of the increments

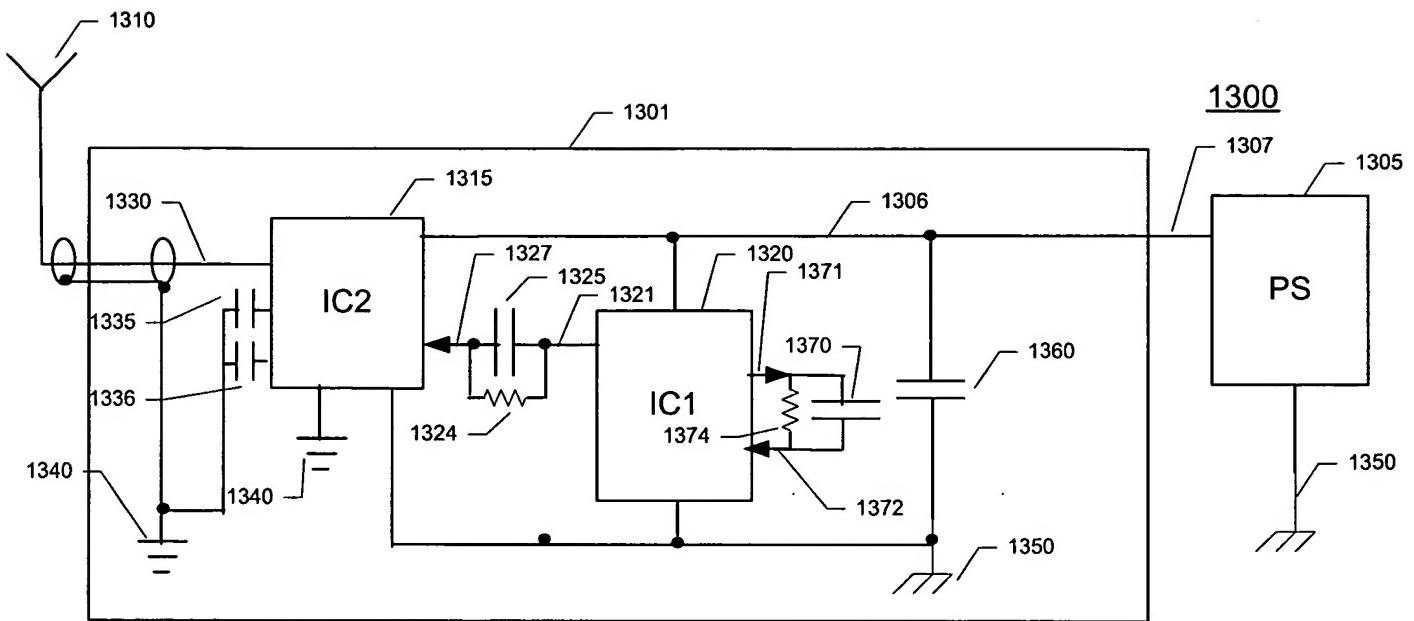


FIG. 13